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(21) International Application Number: PCT/SE98/00721 (22) International Filing Date: 21 April 1998 (21.04.98) (30) Priority Data: 9701487-2 21 April 1997 (21.04.97) SE (71) Applicant (for all designated States except US): ABB ATOM AB [SE/SE]; S-721 63 Västerås (SE). (72) Inventors; and (75) Inventors/Applicants (for US only): CALLIN, Jan-Eric [SE/SE]; Isälsvägen 16, S-722 31 Västerås (SE). CARLSSON, Claes [SE/SE]; Spikverksgatan 180, S-724 79 Västerås (SE). IVUNG, Bengt [SE/SE]; Grillugnsgratan 8, S-724 76 Västerås (SE). KUKKOLA, Timo [FI/FI]; Aarnionkatu 3, FIN-26100 Rauma (FI). (74) Agents: BERGLUND, Stefan et al.; Bjerkéns Patentbyrå KB, Östermalmmsgatan 58, S-114 50 Stockholm (SE).		(81) Designated States: CN, JP, MX, TR, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> <i>In English translation (filed in Swedish).</i>

(54) Title: A NUCLEAR REACTOR DEVICE AND A METHOD TO CONSTRUCT A NUCLEAR REACTOR DEVICE

(57) Abstract

The invention refers to a nuclear reactor device and a method of constructing a nuclear reactor device. The device comprises a reactor containment (1), formed by a first wall member (2) defining an inner space (3), and a reactor vessel (6), housing a reactor core (7) and being provided in the inner space (3). Furthermore, the device comprises an upper space (10) provided above the reactor containment (1) and defined by a second wall member (11). The first wall member (2) and the second wall member (11) have, seen in a horizontal section, an essentially identical cross-sectional shape and form an essentially common cylinder.

